

### Abstract

The present invention realizes an object extraction device, an object extraction method, and a recorded medium that stores an object extraction program that can obtain an object extraction image matching an object, and reduce the amount of calculating to find the object extraction image. An outline extraction unit 4 extracts the outline of an object from an object extraction image P3 found by a first object extraction calculating unit 3. A first incorrect outline extraction unit does not include the pixels of the edge part found by the edge pixel calculating unit 5, and treats as an incorrect outline a straight line segment that has a length exceeding a specific threshold value. A second object extraction calculating unit 8 finds the re-extracted image P4 of the recalculated region by carrying out an object extraction calculation of the recalculated region found by the recalculated region determining unit 7 using the second calculation parameter. The image reconstructing unit 9 reconstructs an object extraction image P5 by exchanging the image of the subject region and the re-extracted image P4 in the recalculated region of the object extraction image P3.